

Title (en)  
PROCESS FOR STRIPPING CATALYST FROM CATALYTIC CRACKING REACTION ZONE

Publication  
**EP 0259155 B1 19921014 (EN)**

Application  
**EP 87307768 A 19870903**

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- US 90336586 A 19860903

Abstract (en)  
[origin: EP0259155A1] A catalytic cracking process is disclosed using a conventional feed, a conventional cracking catalyst and an unconventional additive catalyst in a conventional catalytic cracking riser reactor to produce cracked products. The additive and conventional catalysts are passed together through at least a portion of a riser reactor. The additive is separated from the conventional catalyst upstream of the conventional regenerator associated with FCC unit, and upstream of the final separation of catalyst fines from cracked products in the reactor vessel. The additive is recycled to the riser without regeneration. The residence time of the additive in the riser is increased, residence time of additive in the regenerator is decreased, and loss of additive with catalyst fines is minimized. Preferably, an elutriating stripper separates additive from conventional catalyst, by sieving, density difference, or settling rate differences. An apparatus for stripping and sieving is disclosed. The additive may be given a reactivation treatment before recycle to the FCC riser.

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IPC 8 full level  
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Cited by  
CN114222806A; US2013085310A1; US9656232B2; FR2918070A1; US8491781B2; US7935314B2; WO0170909A1; WO2021024067A1; WO2009007519A3; WO9117827A1; US8323477B2

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